CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-6548

Format No. CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/01/2018

Lab ID	:	CP-2018-01-19-05
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore
Customer's Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-01-2018
Sample ID No	:	2018-01-19-05 /01
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete CL5
Date of test	:	23/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	16/01/2018	23/01/2018	149.66 X 151.24 X 150.34	22635	8.254	391.6	17.3	17.1
2	M20 Concrete	M20	16/01/2018	23/01/2018	151.23 X 150.47 X 150.66	22756	8.242	389.1	17.1	
3	M20 Concrete	M20	16/01/2018	23/01/2018	150.47 X 150.48 X 150.62	22643	8.235	380.4	16.8	

Note:
The results pertain to the samples received and tested
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part
Samples will be disposed after 90 days from the date of issue of test certificate

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2018-01-19-05 **Date: 13/02/2018**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer's Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-01-2018
Sample ID No	:	2018-01-19-05 /02
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	16/01/2018	13/02/2018	149.63 X 151.24 X 150.74	22630	8.221	529.5	23.4	22.9
2	M20 Concrete	M20	16/01/2018	13/02/2018	150.34 X 150.19 X 150.47	22580	8.201	517.1	22.9	
3	M20 Concrete	M20	16/01/2018	13/02/2018	150.21 X 151.22 X 150.73	22715	8.198	508.8	22.4	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/01/2018

Lab ID	:	CP-2018-01-19-05
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer's Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-01-2018
Sample ID No	:	2018-01-19-05 /03
Customer ID	:	M20 Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	16/01/2018	23/01/2018	151.42 X 150.78 X 150.33	22831	8.155	379.0	16.6	16.9
2	M20 Concrete	M20	16/01/2018	23/01/2018	150.24 X 150.79 X 151.00	22655	8.201	382.9	16.9	
3	M20 Concrete	M20	16/01/2018	23/01/2018	149.63 X 151.47 X 149.85	22664	8.165	389.8	17.2	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2018-01-19-05

Date: 13/02/2018

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte.

Agency : Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.

Customer's Reference : BBMP/EE/DD/WO/86/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 19-01-2018

Sample ID No : 2018-01-19-05 /02

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 13/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 Concrete	M20	16/01/2018	13/02/2018	151.29 X 150.46 X 150.75	22763	8.175	521.2	22.9	23.0
2	M20 Concrete	M20	16/01/2018	13/02/2018	151.22 X 150.97 X 150.19	22830	8.260	534.2	23.4	
3	M20 Concrete	M20	16/01/2018	13/02/2018	150.26 X 151.22 X 151.47	22722	8.175	518.1	22.8	

Note:
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CIVIL PRO Sig Date BANGALORE

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT ON BITUMEN

Lab ID	:	CP-2018-01-29-11
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at 4th & 5th cross Manjunatha Nagara in Ward No.14 Bagalagunte
Agency	:	Technical Manager West KRIDL, Project Implementation Unit, No.280, 59th crosss, 17th 'C' Main road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer's Reference	:	BBMP/EE/DD/WO/86/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-01-2018
Sample ID No	:	2018-01-29-11/01
Sample Type	:	Bitumen
Reference to BIS codes	:	IS: 1201-1220(1978) (Reaffirmed-2004)
Date of test	:	29-01-2018

Date: 31-01-2018

Test Results

Sl.no	Name of Test	Result	Requirements as per IS:73-2013
1	Penetration at 25°C , in 1/10th mm	65	60 to 70
2	Softening Point, °C	52.2	Min. 40°C
3	Ductility, cm	99	Min. 75cm
4	Flash point, °C	272	Min. 220°C
	Fire point, °C	301	

Note:

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